

MODIS sensor Working Group (MsWG) Meeting Summary

June 4, 2008

Attendance: Vince Salomonson, Gerhard Meister, Eric Vermote, Gary Toller, James Kuyper, Roy Yi, Ben Ripman, Chris Moeller, Junqiang Sun, Sergey Marchenko, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Aqua forward update – 5.0.35.3 (05/24/08) – m1 & RVS
- Terra forward update – 5.0.40.6 (06/03/08) – m1 & RVS

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Terra X-band Transmitter Anomaly: On 05/29/08 (2008/150) at 21:09 the Direct Access System (DAS) experienced an unexpected current & voltage drop in addition to an increase in temperature. FOT tracked the anomaly and on 06/02/08 (2008/154) at 06:44 the voltage dropped below a threshold and FOT shut off the DAS. This effectively stopped all Direct Broadcast services. All science data continues to be captured by the SSR and downloaded via the TDRS network. Roy reported that FOT plans a few tests to attempt to re-enable the DAS system in the current configuration within the next couple days. If the anomaly persists, the option to switch to the redundant electronics configuration will be pursued.

Item 3: MCST recent activities

- During review of TEB LUTs, it was proposed to adjust the Aqua T_{sat} LUT value for Bands 33, 35, & 36, which is used as the switch point from scan-by-scan b1 to default b1 during the warmup/cooldown activity (these three band's response saturate during part of the WUCD process). The value in the LUT was a conservative estimate based on the initial on-orbit measurements. A review of the long term trending show these LUT values can be increased by 3-5°. This will impact only several hours of data during the quarterly WUCD activities. No objections were made by those present.
- Junqiang discussed the need for a meeting with the Ocean Group to decide on the format and information that needs to be included in the proposed polarization LUT that will be provided for users. Gerhard agreed and suggested we include representatives from land and atmosphere. The Ocean Group is still analyzing/processing the data and once complete will set up a time for the meeting with MCST – probably in the 2-3 week time frame.

Item 4: Around the Table

- N/A

Next Meeting: ~June 18, 2008